

Elastin Gordon Conference  
Kimball Union Academy, Meriden, N.H.

August 10-14, 1981

Chairperson  
Vice-Chairperson

Joel Rosenbloom  
Robert Rucker

Monday, August 10 - Morning

Chemical and Physical Characterization  
of Elastin

Dan Urry, Discussion Leader

Primary Structure of Tropoelastin

Larry Sandberg

The Polypentapeptide of Elastin:  
A Non-random Biological Elastin

Dan Urry

Invited Discussants

Judy Foster ✓  
Jim Gosline  
I. Pasquali-Ronchetti  
Lorenzo Gotte

Evening

Lysyl Oxidase and the Crosslinking of Elastin

Herbert Kagan, Discussion Leader

The Mechanism and Substrate Specificity  
of Oxidase

Herbert Kagan

A Microfibrillar-Like Protein with Lysyl  
Oxidase Activity

A. Serafini-Fracassini

Photolysis and Ozonolysis of Elastic Cross-  
links

Francois Lamy

Invited Discussants

Roland M. Leach  
Wayne A. Gonnerman

Tuesday, August 11 - Morning

Biosynthesis of Elastin

Robert Mecham, Discussion Leader

Features of Elastin Biosynthesis and  
Degradation

Robert Rucker

Modulation of Synthesis of Elastin by  
Endogenous and Exogenous Factors

Fred Keeley

Elastin Gene Expression; Regulation During  
Development

Robert Mecham

Evening

Molecular Biology of Elastin

Elastin cDNA Probes

Differential Regulation of Elastin Genes

Cloning of Chick Elastin cDNA

Cloning of the Gene for Human  $\alpha$ -1 Anti-proteinase

Jeff Davidson, Discussion Leader

Shigeki Shibahara

Celeste Rich

William Burnett

Savio Woo

Wednesday, August 12, Morning

Interaction of Elastin with Cells and other Macromolecules

Microfibrillar Protein

Chemotactic Properties of Elastic Peptides

Judy Foster, Discussion Leader ✓

Ted Cleary

Robert Senior

Invited Discussants

Barbara Streeten

Madeline Moczar

Virginia Richmond ✓

David Jackson

Evening

Immunology of Elastin

Immunologic Quantitation of Desmosines

Detection of Elastin Degradation Products in Body Fluids

Joel Rosenbloom, Discussion Leader

Barry Starcher

Umberto Kucich

Invited Discussants

Stephen Karr

Robert Mecham

Thursday, August 13, Morning

Degradation of Elastin: Elastase and Elastase Inhibitors

Neutrophil Elastase: Biochemical Properties and Interaction with  $\alpha$ 1 Pi

Aaron Janoff, Discussion Leader ✓

Jim Travis ✓

Murine Macrophage Elastase: Biochemical  
Properties and Interactions with Endogenous  
Inhibitors

Zena Werb

Elastases, Elastase-Inhibitors and  
Oxidants: Potential Interactions in  
Emphysema of Cigarette Smokers

Aaron Janoff ✓

Invited Discussants

J.B.L. Gee  
George Weinbaum ✓  
W. Hornebeck

Evening

Involvement of Elastin in Vascular Diseases

Carl Franzblau, Discussion Leader

Immunology of Elastin and the Pathogenesis  
of Arterial Disease

Ladislav Robert

Morphological and Ultrastructural Altera-  
tions of Elastin in Genetic Diseases

Anna Kadar

Friday, August 14

Involvement of Elastin in Lung Disease

Gerry Turino, Discussion Leader ✓

Lung Elastin: Changes in Acute and  
Chronic Diseases

James Collins

Lung Elastin in Human and Experimental  
Emphysema

Ines Mandl ✓

Connective Tissues in Pulmonary Fibrosis  
and Emphysema in Hamsters

Gordon Snider

Invited Discussant

Norman Soskel